

PA-106

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Application No. <u>101037480</u>	Prepared by <u>UB</u>	Tracking Number <u>5983753</u>	
Examiner-GAU <u>Fortuna-1723</u>	Date <u>8/30/04</u>	Week Date <u>7/19/04</u>	
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JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
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SPECIFICATION	MESSAGE
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	DOCKET NO:	SERIAL NO.:
	56822-RCE (47126)	10/037,480
	APPLICANT(S): G. Cevc, et al.	
	FILING DATE:	GROUP NO.:
	January 4, 2002	1723

UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,145,684	09/08/92	Liversidge, et al.	424	489	
	AB	5,154,930	10/13/92	Popescu, et al.	424	489	
	AC	5,552,160	09/03/96	Liversidge, et al.	424	489	
	AD	5,654,337	08/05/97	Röentsch, et al.	514	570	
	AE	5,874,422	02/23/99	Krause, et al.	514	165	
	AF	5,985,860	11/16/99	Toppo	514	159	
	AG	6,045,827	04/04/00	Russell	424	485	
	AH	6,214,386	04/10/01	Santus, et al.	424	498	
	AI	6,387,383	05/14/02	Dow, et al.	424	401	
	AJ	6,451,339	09/17/02	Patel, et al.	424	451	
	AK	2002/0003179	01/10/02	Verhoff, et al.	241	21	
	AL	2002/0037877	03/28/02	Singh	514	78	
	AM	2002/0147238	10/10/02	Jerussi et al.	514	570	
	AN	2002/0119188	08/29/02	Niemiec et al.	424	450	
	AO	2002/0106345	08/08/02	Uhrich et al.	424	78/17	
	AP	2002/0037877	03/28/02	Singh	514	78	
	AQ	2002/0012680	01/31/02	Patel et al.	424	400	
	AR	2002/0003179	01/10/02	Verhoff et al.	241	21	
	AS	2001/0012849	08/09/01	Wechter	514	330	
	AT	6,448,296	09/10/02	Yasueda	514	781	
	AU	6,294,192	09/25/01	Patel et al.	424	451	
	AV	6,165,500	12/26/00	Cevc	424	450	

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)			
	BX	L. Löbbecke, et al. "Effects Of Short-Chain Alcohols On The Phase Behavior And Interdigitation Of Phosphatidylcholine Bilayer Membranes", <i>Biochimica et Biophysica Acta</i> 1237 (1995) 59-69	
	BY	R. Singh, et al. "Liposomally Encapsulated Diclofenac For Sonophoresis Induced Systemic Delivery", <i>J. Microencapsulation</i> , 1995, Vol. 12, No. 2, 149-154.	
	BZ	A. Calpena, et al., "Influence of the Formulation on the In Vitro Transdermal Penetration of Sodium Diclofenac", <i>Arzneim.-Forsch./Drug Res.</i> 49 (II), 1012-1017 (1999).	
	CA	I. Stoye, et al., "Transformation of a Liposomal Dispersion Containing Ibuprofen Lysinate and Phospholipids into Mixed Micelles - Physico-chemical Characterization and Influence on Drug Permeation through Excised Human Stratum Corneum," <i>European Journal of Pharmaceutics and Biopharmaceutics</i> 46 (1998) 191-200.	
	CB	T. Henmi, et al., "Application of an Oily Gel Formed by Hydrogenated Soybean Phospholipids as a Percutaneous Absorption-Type Ointment Base", <i>Chem. Pharm. Bull.</i> 42(3) 651-655 (1994).	
	CC	J. Schramlova, et al., "The Effect of an Antiphlogistic Incorporated in Liposomes on Experimentally Induced Inflammation", <i>Folia Biologica (Praha)</i> 43, 195-199 (1997).	
	CD	M. Foldvari, et al., "Dermal Drug Delivery by Liposome Encapsulation: Clinical and Electron Microscopic Studies", <i>J. Microencapsulation</i> , 1990, Vol. 7, No. 4, 479-489.	
	CE	M. Foldvari, "In Vitro cutaneous and Percutaneous Delivery and in Vivo Efficacy of Tetracaine from Liposomal and Conventional Vehicles", <i>Pharmaceutical Research</i> , Vol. 11 No. 11, 1994.	
	CF	M. Foldvari, "Effect of Vehicle on Topical Liposomal Drug Delivery: Petrolatum Bases", <i>J. Microencapsulation</i> , 1996, Vol. 13, No. 5, 589-600.	
	CG	M.E. Planas, et al., "Noninvasive Percutaneous Induction of Topical Analgesia by a New Type of Drug Carrier, and Prolongation of Local Pain Insensitivity by Anesthetic Liposomes", <i>Anesth Analg</i> 1992; 75 615-621.	
	CH	H. Peters, et al., "Pharmacodynamics of a Liposomal Preparation for Local Anaesthesia", <i>Arzneim.-Forsch./Drug Res.</i> 45 (II), Nr 12 (1995).	
	CI	G. Cevc, "Drug Delivery Across the Skin", <i>Exp. Opin. Invest. Drugs</i> (1997) 6(12) 1887-1937.	
	CJ	A. Klibanov et al., <i>Biochimica et Biophysica Acta.</i> , 1062:142-148 (1991).	
	CK	G. Cevc et al., <i>Journal of Controlled Release</i> , 36:3-16 (1995).	
	CL	S. Yuan et al., <i>Progress in Physiological Science</i> , 28(2):163-165 (1997).	
	CM	G. Cevc et al., <i>Critical Review in Therapeutic Drug Carrier Systems</i> , 13(3&4):257-388 (1996).	

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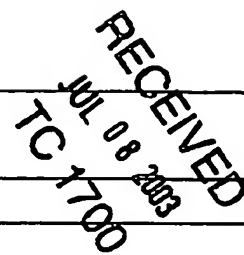
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UNITED STATES PATENT DOCUMENTS							
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,954,345	09/04/90	Miller			
	AB	4,937,078	06/26/90	Mezei, et al.			
	AC	4,921,706	05/01/90	Roberts, et al.			
	AD	4,911,928	03/27/90	Wallach			
	AE	6,165,500	12/26/2000	G. CEVC			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	BA	WO 98/17255	04/30/98	PCT			
	BB	WO 98/30215	07/16/98	PCT			
	BC	WO 92/03122	03/05/92	PCT			
	BD	WO 00/24377	05/04/00	PCT			
	BE	WO 0 0/12060	03/09/00	PCT			
	BF	WO 98/33483	08/06/98	PCT			
	BG	WO 88/07362	10/06/88	PCT			
	BH	WO 00/38653	07/06/00	PCT			
	BI	WO 98/06750	02/19/98	PCT			
	BJ	WO 91/04013	04/04/91	PCT			
	BK	WO 92/05771	04/16/92	PCT			
	BL	WO 93/19736	10/14/93	PCT			
	BM	WO 93/19737	10/14/93	PCT			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
✓	BN	WO 90/09782	09/07/90	PCT			
✓	BO	WO 87/01938	04/09/87	PCT			
✓	BP	4,447,287	11/07/96	Germany			
✓	BQ	3,713,494	10/29/87	Germany			
✓	BR	3,016,976	11/13/80	Germany			
✓	BS	1,289,420	09/24/91	Canada			
✓	BT	2,052,164	09/26/92	Canada			
✓	BU	1,740,283	07/28/83	AU			
✓	BV	0,674,913	04.10.95	Europe			
✓	BW	0,704,206	04/03/96	Europe			
✓	BX	0,475,160	03/18/92	Europe			
✓	BY	0,707,847	04/24/96	Europe			
✓	BZ	0,475,160	03/18/92	Europe			
✓	DA	0,280,492	08/31/88	Europe			
✓	DB	0,102,324	03/07/84	Europe			
✓	DC	0,224,837	11/24/86	Europe			
✓	DD	0,211,647	02/25/87	Europe			
✓	DE	0,220,797	05/06/87	Europe			
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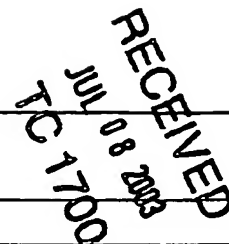




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OTHER DOCUMENTS							
	CA	G. CEVC et al., Transfersomes-mediated transepidermal delivery improves the regio-specificity and biological activity of corticosteroids in vivo, <i>Journal of Controlled Release</i> 45 (1997) 211-226.					
	CB	V.M. KNEP P et al. CONTROLLED DRUG RELEASE FROM A NOVEL LIPOSOMAL DELIVERY SYSTEM II. TRANSDERMAL DELIVERY CHARACTERISTICS", <i>Journal of Controlled Release</i> 12 (1990) March, No. 1, Amsterdam, NL, pp. 25-30.					
	CC	C.E. Price, "A REVIEW OF THE FACTORS INFLUENCING THE PENETRATION OF PESTICIDES THROUGH PLANT LEAVES" on I.C.I. Ltd., Plant Protection Division, Jealott's Hill Research Station, Bracknell, Berkshire RG12 6EY, U.K., pp. 237-252.					
	CD	K. Karzel and R. K. Liedtke, "MECHANISMEN TRANSKUTANER RESORPTION" on Grundlagen/Basics, pp. 1487-1491.					
	CE	Micha el Mezei, "LIPOSOMES AS A SKIN DRUG DELIVERY SYSTEM" 1985 Elsevier Science Publishers B.V. (Biomedical Division), pp. 345-358.					
	CF	Adrienn Gesztes and Michael Mezei, "TOPICAL ANESTHESIA OF THE SKIN BY LIPOSOME-ENCAPSULATED TETRACAINE" on <i>Anesth Analg</i> 1988; 67: pp. 1079-81.					
	CG	A. Helenius, et al, "SOLUBILIZATION OF MEMBRANES BY DETERGENTS", <i>Biochimica et Biophysica Acta</i> , 415 (1975) 29-79.					
	CH	Phillip G. Green, et al., "IN VITRO AND IN VIVO ENHANCEMENT OF SKIN PERMEATION WITH OLEIC AND LAURIC ACIDS" on <i>International Journal of Pharmaceutics</i> , 48 (1988), pp. 103-111.					
	CI	Guia M. Golden et al. "ROLE OF STRATUM CORNEUM LIPID FLUIDITY IN TRANSDERMAL DRUG FLUX" on <i>Journal of Pharmaceutical Sciences</i> Vol. 76, No. 1, January 1987, American Pharmaceutical Association, pp. 25-28.					
	CJ	Bruce J. Aungst et al., "ENHANCEMENT OF NALOXONE PENETRATION THROUGH HUMAN SKIN IN VITRO USING FATTY ACIDS, FATTY ALCOHOLS, SURFACTANTS, SULFOXIDES AND AMIDES" on <i>International Journal of Pharmaceutics</i> , 33 (1986) pp. 225-234.					
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OTHER DOCUMENTS							
	CK	Ronald R. Burnette et al., "CHARACTERIZATION OF THE PERMSELECTIVE PROPERTIES OF EXCISED HUMAN SKIN DURING LONTOPHORESIS" on Journal of Pharmaceutical Sciences Vol. 76, No. 10, October 1987, American Pharmaceutical Association, pp. 765-773.					
	CL	E.C. Katoulis et al., "EFFICACY OF A NEW NEEDLELESS INSULIN DELIVERY SYSTEM MONITORING OF BLOOD GLUCOSE FLUCTUATIONS AND FREE INSULIN LEVELS" on International Journal of Artificial Organs Vol. 12, No. 5, 1989, pp. 333-338.					
	CM	Ovals Siddiqui et al., "NONPARENTERAL ADMINISTRATION OF PEPTIDE AND PROTEIN DRUGS" on CRC Critical Reviews in Therapeutic Drug Carrier Systems, Volume 3, Issue 3, pp. 195-208.					
	CN	Cevc, G. et al., "Ultraflexible vesicles, Transfersomes, have an extremely low pore penetration resistance and transport therapeutic amounts of insulin across the intact mammalian skin", Biochimica et Biophysica Acta. 1368 pp. 201-215 (1998).					
	CO	Cevc, G. "Material Transport Across Permeability Barriers by Means of Lipid Vesicles", Handbook of Biological Physics, Vol. 1, pp. 465-490 (1995).					
	CP	Mayer, L.D. et al., "Vesicles of variable sizes produced by a rapid extrusion procedure", Biochimica et Biophysica Acta, 858 pp. 161-165 (1986).					
	CQ	Patel, H.M. et al., "ORAL ADMINISTRATION OF INSULIN BY ENCAPSULATION WITHIN LIPOSOMES", FEBS LETTERS, 62(1):60-63 (February 1976).					
	CR	Schreier, H. "Liposomes - A Novel Drug Carrier, I. Phospholipids; Production and Characterization of Liposomes; II. Destiny of liposomes in vivo; use in therapy", Pharmazie in unserer Zeit, No. 4 (1982).					
	CS	Beyer, C. et al., "Micro Emulsions" Pharmazie in unserer Zeit, No. 2 (1983).					
	CT	Lichtenberg, D. et al., "SOLUBILIZATION OF PHOSPHOLIPIDS BY DETERGENTS STRUCTURAL AND KINETIC ASPECTS" Biochimica et Biophysica Acta, 737 pp. 285-304 (1983).					
EXAMINER:					CV		





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OTHER DOCUMENTS							
	CU	Lasch, J. et al., "Interactions of external lipids (lipids vesicles) with the skin" Journal of Liposome Research 5(3) pp. 543-569 (1995).					
	CV	Berger, M. "Oral Insulin 1922-1992: The History of Continuous Ambition and Failure" Heinrich-Heine-University, Dusseldorf, Germany					
	CW	Cevc. G. et al., "The skin: a pathway for systemic treatment with patches and lipid-based agent carriers" Advanced Drug Delivery Reviews 18 pp. 349-378 (1996).					
	CX	M.L. Jacks on, et al. "SOLUBILIZATION OF PHOSPHATIDYLCHOLINE BILAYERS BY OCTYL GLUCOSIDE", biochemistry 1982, 21, 4576-4582.					
	CY	P. Vinson, et al. "VESICLE-MICELLE TRANSITION OF PHOSPHATIDYLCHOLINE AND OCTYL GLUCOSIDE ELUCIDATED BY CRYO-TRANSMISSION ELE TRON MICROSCOPY", Biophys. J., Biophysical Society Volume 56 October 1989 669-681.					
	CZ	K. Edwards, et al. "EFFECTS OF TRITON X-100 ON SONICATED LECITHIN VESICLES", Langmuir, Vol. 5, No. 2, 1989 pp. 473-478					
	EA	A. Brendzel, et al., "EFFECTS OF LIPID-SOLUBLE SUBSTANCES ON THE THERMOTROPIC PROPERTIES OF LIPOSOME FILTRATION", Biochimica et Biophysica Acta, 601 (1980) 260-270.					
	EB	G. Blu me, et al. "DRUG-CARRIER AND STABILITY PROPERTIES OF THE LONG-LIVED LIPID VESICLES, CRYPTOSOMES, IN VITRO AND IN VIVO", Journal of Liposome Research, 2(3), 355-368 (1992).					
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